

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/016388

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ H04L9/08, H04L12/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ H04L9/08, H04L12/28, H04B7/26

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2005
Kokai Jitsuyo Shinan Koho 1971-2005 Jitsuyo Shinan Toroku Koho 1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
JICST FILE (JOIS), WPI, certificate, ad hoc network

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2003-500923 A (International Business Machines Corp.), 07 January, 2003 (07.01.03), Par. Nos. [0030], [0037] to [0038], [0042], [0043] & WO 00/072506 A1 & AU 200050845 A & CN 1351789 A & CZ 200104168 A3 & EP 1179244 A1 & HU 200201561 A2 & KR 2001114272 A & TW 478269 A & TW 480864 A & TW 498969 A & US 6772331 B1	1, 4, 7, 10, 11, 14
Y	JP 07-336370 A (Toshiba Corp.), 22 December, 1995 (22.12.95), Par. Nos. [0029] to [0054] & EP 680174 A2 & US 5771352 A	1, 4, 7, 10, 11, 14

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search
25 March, 2005 (25.03.05)

Date of mailing of the international search report
12 April, 2005 (12.04.05)

Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Self-Organized Public-Key Management for Mobile Ad Hoc Networks, IEEE TRANSACTIONS ON MOBILE COMPUTING, Vol.2, No.1, 2003, March, pages 52 to 64, especially 1 INTRODUCTION, 3.1 Creation of Public Keys and Public-Key Certificates	1,7,10
Y	JP 2003-188873 A (Kanazawa Institute of Technology), 04 July, 2003 (04.07.03), Par. Nos. [0061] to [0064], [0066] to [0070], [0075] (Family: none)	10,14
A	JP 2003-309558 A (Xerox Corp.), 31 October, 2003 (31.10.03), Par. Nos. [0020] to [0022] & EP 1335563 A2 & US 2003/149874 A1	1-14
A	JP 2002-359623 A (Seiko Epson Corp.), 13 December, 2002 (13.12.02), Par. Nos. [0120] to [0172] & CN 1378405 A & KR 2002076195 A & US 2002/147819 A1	1-14